



VPI00-115CIP.ST25  
SEQUENCE LISTING

<110> Vertex Pharmaceuticals Incorporated

<120> ERK-5 DEFICIENT ANIMALS AND METHODS OF INHIBITING ANGIOGENESIS THROUGH THE INHIBITION OF ERK-5

<130> VPI/00-115

<140> US09/888,182

<141> 2001-06-22

<150> US60/214,044

<151> 2000-06-23

<160> 6

<170> PatentIn version 3.0

<210> 1

<211> 26

<212> DNA

<213> Mus musculus

<400> 1

cagccattcg atgtgggccc acgcta

26

<210> 2

<211> 25

<212> DNA

<213> Mus musculus

<400> .2

tataacattc tcatggcgga atcgc

25

<210> 3

<211> 802

<212> DNA

<213> Mus musculus

<220>

<221> misc\_difference

<222> (1)..(802)

<223> Wherein n is selected from any nucleic acid

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120

gcggttgaac ccagagtgat gcgggctgtg agtccaggac attggtaggg acagttctta

180

tctctcaaga gggcaagggc tggggatgtc gatcactggg aggctgatga gcatctttga

240

ggtttttaggt tgactctcct gtacaaaagg ggaaaagaat caagaggatt tacctcttta

300

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tggtcatgcc acctttggtt atatcataag ttcaaggcta gtctagaccc tgttccaaaa	360
gacaaaaacan aaaaccnaaa cagcaatnta nganaaggga gagagggcnc agacngnccg	420
ggacagatcc aaattgtaag acaacggaca caatacattg tagtgtcaca cagcagtgtc	480
ctcatggcag acaactaatt attcacagaa tacctcctta aaaatagagt cttcaacata	540
gctttttcag tagctgttgg caaactgtag agtttgctct aaaattaacc atactggcca	600
atcttggtag atttgaatat ttctataaaa aaaatttttt ttgacagaaa ttangtccat	660
ggagaaaagt atttgtcaga aagcttgtaa aaaagtttgg ggctnggaaa aaacccgatt	720
cggtgattaa gatcactcga tcttttaaaa gggacttggc tttaantncc ataatggntc	780
ttcaccgggg ggcntaaact tt	802

<210> 4  
 <211> 794  
 <212> DNA  
 <213> Mus musculus  
 <220>  
 <221> misc\_difference  
 <222> (1)..(794)  
 <223> Wherein n is selected from any nucleic acid

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gggggnaact tgaattggga cncgggtgtt gggatcanac tccctcttn ngcctctgta	120
naccagggc acccaagtag tacacatacg ttcaggaaan catacacata cgtttaagaa	180
aactttataa aagttgtggc cagncgggtg tggcgcatgc ctttaatccc agcactgggg	240
aggcagaggc aggcagatct cttgagtttt gggtttgagg ccaacctggt ctacaagagc	300
aagcaagttc caggccagat aaggctacac agacatcttg tcttgaaaaa aagaaagaaa	360
gaatgaaagt tgtagaaaac ctaaaacccg gtgnnnaant ccncncttcc catgntgtta	420
gtcctttggg gtttcaactgt aaggccataa cctcaggaat tgggagtgcc aggggacgga	480
gtgccagggg gggcttctcc ctgtgatgtg aggaggctag ctcacccggt tcttccatt	540
ttcagctatg tggtagtga cctcatggag agcgacctac accagatcat tcactcttca	600
cagccgctca ccctggaaca tgtgagatac ttctgtacc agctgcttcg gggcctcaaa	660
tacatgcact ctgctcagg catccaccgt gatcttaaac cctctaacct tctggtaaat	720
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tgccgagcac caga	794

## VPI00-115CIP.ST25

<210> 5  
 <211> 632  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_difference  
 <222> (1)..(632)  
 <223> Wherein n is selected from any nucleic acid

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 cacaggctgc ananaagntg gaacgnattg ttgncgaatg ccctccngtc gtgcatgaaa 180  
 gtcttcattc tcagccacaa tggcctcctt aatgcgctcc ctggtaaggg cttcacgggt 240  
 caaaagcaaa gtcaaaagggt ggggcgcaat caggctcatc atcagggtca tgggtacttag 300  
 ccagaagggg tgcgaaggca gcagcagtna gattcgggcn ctgggttcaa ntcgcaccat 360  
 gcgtcccagc agggagaggg cctggcggtc agcacctggg tatactgtct cccaaggcac 420  
 aggttgcctt ggtggcaggc tctggatata ggctcgcacc ctttcagccc ccacagcctg 480  
 aatcacagct ggtgacggag ttcccaacac catcatgatc agctgtaact ggtgcacgta 540  
 gtttttgcct gggaagagct ggcgccgagc cagcatctca ccaaagatgc agcccacaga 600  
 ccagaggtcg attgcctgcg gtatactcgt gc 632

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 <211> 617  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_difference  
 <222> (1)..(617)  
 <223> Wherein n is selected from any nucleic acid

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 aaaaaagttt tgttctaaga ccanngaatn ggcagaatga agtggngaana gattagggag 180  
 antctggaat gacctnanta tggtagtag gaagggaaga aggatcagtt aatncagtca 240  
 caancnnntg ctaactaacg ngcctcctnt ttatgtaagc nattagcanc ngtttcnnga 300  
 ggcagttgga aattaaatn ttgatatatg ttacacacag ggccntgcac cacagtaggg 360

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acttnatgnn ntntgggntc cagaagagca gtgctgaagg gacctgcagc taacttgaag	420
gtactctctg gtatatgccc ttttctgct ccccaggcca gcaggtggcc atcaagaaga	480
tacctaatagc ttttgatgtg gtgaccaatg ccaaacggac cctcaggag ctgaagatcc	540
tcaaacactt caaacacgac aatatcatcg ccatcaagga catcctgaag cctactgtgc	600
cctatggaga attcttc	617